1. You make a smoothie with 6 strawberries and $1\frac{1}{2}$ bananas. Write the ratio of bananas to strawberries in simplest form.

$$\frac{\text{bananas}}{\text{strawberries}} = \frac{1\frac{1}{2}}{6} = \frac{\frac{3}{2}}{6} = \frac{\cancel{3}^{1}}{2} \cdot \frac{1}{\cancel{6}_{2}} = \boxed{\frac{1}{4}}$$

2. Write the following probabilities in simplest form.

What is the probability of rolling an even number on a six-sided die?

2, 4, 6 → $\frac{3}{6} = \boxed{\frac{1}{2}}$

What is the probability of rolling a 1 or a 5 on a six-sided die?

$$\frac{2}{6} = \boxed{\frac{1}{3}}$$

3. Which of the following is a better buy?

Option A: a bag containing 24 diapers for $10.99 **Option B:** $18.49 for a bag containing 40 diapers

$\frac{\$10.99}{24 \text{ diapers}} \approx \$0.4579/\text{diaper}$ $\frac{\$18.49}{40 \text{ diapers}} = \$0.46225/\text{diaper}$

Option A is the better buy.

Review:

4. Evaluate each of the following:

$\sqrt{-9}$ not an real #

$-2^5 = -32$

$\frac{6}{0}$ undefined

$5 - 3(2^2 + 1) = 5 - 3(4+1)$
$= 5 - 3(5)$
$= 5 - 15$
$= -10$

5. Find the GCF and LCM of the following monomials: $3x$, $9x^2$, and 6.

GCF = 3

LCM = $18x^2$ ← 9, 18

Q: A sheik announced that a race would decide which of his two sons would inherit all his wealth. The sons were to ride their camels to a certain distant city. The son whose camel reached the city last would be given all of the sheik's wealth. The two sons set out on the journey. After several days of aimless wandering, they met and agreed to seek the advice of a wiseman. After listening to the wiseman's advice, the two sons rode the camels as quickly as possible to the designated city. They did not agree to split the wealth, and their father's decree was to be followed. What was it the wiseman told the two sons?